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Substitute for form 1449/PTO				Complete if Known	
<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i></p> <p style="text-align: center;">APR 15 2005</p> <p style="text-align: center;">Sheet 1 of 1</p>				Application No.	10/802,900
				Filing Date	March 17, 2004
				First Named Inventor	Rueckes et al.
				Art Unit	2818 2891
				Examiner Name	TBA WILSON
				Attorney Docket Number	112020.167US1 NAN-4 CIP

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2(if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CDW		US-6,548,841	04-15-2003	FRAZIER et al.	
CDW		US-6,803,840	10-12-2004	HUNT et al.	
CDW		US-6,809,465	10-26-2004	JIN	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2(if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CDW		JP 11-011917	01-19-1999	Canon Inc.	
		WO 98/42620	10-01-1998	Japan Fine Ceramics Center	
		WO 00/09443	02-24-2000	The Board of Trustees of Leland Stanford Leland Junior University	
		WO 00/17101	03-20-2000	William Marsh Rice University	
		WO 00/19494	04-06-2000	Xidex Corporation	
		WO 00/48195	08-17-2000	Board of Trustees Operating Michigan State University	
		WO 03/091486	11-06-2003	Nantero, Inc.	
		WO 04/065655	08-05-2004	Nantero, Inc.	
		WO 04/065657	08-05-2004	Nantero, Inc.	
CDW		WO 04/065671	08-05-2004	Nantero, Inc.	

Examiner Signature	Christian W. Wilson	Date Considered	10/12/05
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet

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of

1

Application Number	10/802,900
Filing Date	March 17, 2004
First Named Inventor	Rueckes, et al.
Art Unit	2018 2891
Examiner Name	TBA WILSON

Attorney Docket Number

112020.167US1 NAN-4 CIP

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
CDW		US-2004/0181630	09/16/2004	Jaiprakash et al.	
		US-2004/0175856	09/09/2004	Jaiprakash et al.	
		US-2004/0159833	08/19/2004	Rueckes et al.	
		US-2003/0124325	07/03/2003	Rueckes et al.	
CDW		US-6,706,402	03/16/2004	Rueckes et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CDW	A1	Ayayan, P.M., et al., "Nanometre-size tubes of carbon," Rep. Prog. Phys, 1997, Vol. 60, pp. 1025-1062.	

Examiner Signature	<i>Christie W. L.</i>	Date Considered	10/12/05
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Subt. For, PTO-1449

AUG 27 2004

INFORMATION DISCLOSURE
IN AN APPLICATION
(Use several sheets if necessary)

Docket Number
112020.167US1
NAN-4 CIP

Application Number
10/802,900

Applicant

Rueckes, Thomas, et al.

Filing Date

March 17, 2004

Group Art Unit

2818 2891

Sheet

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OF

33

U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CDW	5,346,683	09/13/94	Green et al.	423	447.2	
	5,424,054	06/13/95	Bethune et al.	423	447.2	
	5,456,986	10/10/95	Majetich et al.	428	403	
	5,482,601	01/09/96	Ohshima et al.	204	173	
	5,547,748	08/20/96	Ruoff et al.	428	323	
	5,626,812	05/06/97	Ebbesen et al.	264	248	
	5,716,708	02/10/98	Lagow	428	408	
	5,753,088	06/19/98	Olk	204	173	
	5,780,101	07/14/98	Nolan et al.	427	216	
	5,903,010	05/11/99	Flory et al.	257	24	
	5,925,465	07/20/99	Ebbesen et al.	428	408	
	5,928,450	07/27/99	Russell	156	169	
	5,946,930	09/07/99	Anthony	62	293	
	5,973,444	10/26/99	Xu et al.	313	309	
	5,985,446	11/16/99	Lagow	428	367	
	5,993,697	11/30/99	Cohen et al.	252	502	
	6,031,711	02/29/00	Tennent et al.	361	303	
	6,060,724	05/09/00	Flory et al.	257	24	
	6,063,243	05/16/00	Zettl et al.	204	164	
	6,083,624	07/04/00	Hiura	428	408	
	6,105,381	08/22/00	Ghoshal	62	259.2	
	6,136,160	10/24/00	Hrkut et al.	204	192.16	
	6,146,227	11/14/00	Mancevski	445	24	
	6,156,256	12/05/00	Kennel	264	461	
	6,183,714 B1	02/06/01	Smalley et al.	423	447.3	
	6,203,814 B1	03/20/01	Fisher et al.	424	443	
	6,203,864 B1	03/20/01	Zhang et al.	427	592	
	6,221,330 B1	04/24/01	Moy et al.	423	447.3	
	6,231,744 B1	05/15/01	Ying et al.	205	324	
CDW	6,231,980 B1	05/15/01	Cohen et al.	428	402	

EXAMINER	DATE CONSIDERED
Christi Wilso	70/12/05

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Sub. For, PTO-1449 INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number 112020.167US1 NAN-4 CIP	Application Number 10/802,900
				Applicant Rueckes, Thomas, et al.	
Sheet	2	OF	33	Filing Date March 17, 2004	Group Art Unit 2818 2891

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CDW	6,239,547 B1	05/29/01	Uemura et al.	313	495	
	5,196,396	03/23/93	Lieber	505	1	
	5,252,835	10/12/93	Lieber et al.	250	492.1	
	5,840,435	11/24/98	Lieber et al.	428	698	
	5,897,945	04/27/99	Lieber et al.	428	323	
	5,997,832	12/07/99	Lieber et al.	423	249	
	6,036,774	03/14/00	Lieber et al.	117	105	
	6,159,742	12/12/00	Lieber et al.	436	164	
	6,190,634 B1	02/20/01	Lieber et al.	423	439	
	5,590,078	12/31/96	Chatter	365	189.01	
	5,799,209	08/25/98	Chatter	395	876	
	5,838,165	11/17/98	Chatter	326	38	
	6,108,725	08/22/00	Chatter	710	56	
	6,138,219	10/24/00	Soman et al.	711	149	
	6,212,597 B1	04/3/01	Conlin et al.	711	105	
	6,237,130 B1	05/22/01	Soman et al.	716	10	
	4,853,893	08/01/89	Eaton, Jr. et al.	365	145	
	4,888,630	12/19/89	Paterson	357	23.5	
	5,198,994	03/30/93	Natori	365	145	
	5,444,421	08/22/95	Carroll et al.	331	111	
	5,479,172	12/26/95	Smith et al.	342	51	
	5,517,194	05/14/96	Carroll et al.	342	50	
	5,521,602	05/28/96	Carroll et al.	342	50	
	5,533,061	07/02/96	Smith et al.	375	334	
	5,553,099	09/03/96	Carroll et al.	375	334	
	5,608,246	03/04/97	Yeager et al.	257	295	
	5,626,670	05/06/97	Varshney et al.	117	7	
	5,802,583	09/01/98	Yeager et al.	711	152	
	5,850,089	12/15/98	Varshney et al.	257	295	
ASW	5,850,231	12/15/98	Orimoto et al.	345	507	

EXAMINER	DATE CONSIDERED
CDW	10/2/05

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				Applicant Rueckes, Thomas, et al.	
Sheet	3	OF	33	Filing Date March 17, 2004	Group Art Unit 2818 2891

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CDW	6,025,618	02/15/00	Chen	257	295	
	6,044,008	03/28/00	Choi	365	145	
	6,128,214	10/03/00	Kuekes et al.	365	151	
	6,159,620	12/12/00	Heath et al.	428	615	
	6,198,655 B1	03/06/01	Heath et al.	365	151	
	5,198,390	03/30/93	MacDonald et al.	437	203	
	5,316,979	05/31/94	MacDonald et al.	437	203	
	5,426,070	06/20/95	Shaw et al.	437	203	
	5,640,133	06/17/97	MacDonald et al.	333	197	
	5,719,073	02/17/98	Shaw et al.	437	228	
	5,846,849	12/08/98	Shaw et al.	438	52	
	5,847,454	12/08/98	Shaw et al.	257	734	
	5,878,840	03/09/99	Tessum et al.	182	229	
	5,914,553	06/22/99	Adams et al.	310	309	
	5,939,785	08/17/99	Klonis et al.	257	729	
	6,051,866	04/18/00	Shaw et al.	257	417	
	6,259,277 B1	07/10/01	Tour et al.	326	136	
	5,640,343	06/17/97	Gallagher et al.	365	171	
	5,650,958	06/22/97	Gallagher et al.	365	173	
	5,793,697	08/11/98	Scheuerlein	365	230.07	
	5,841,692	11/24/98	Gallagher et al.	365	173	
	5,930,164	07/27/99	Zhu	365	158	
	5,946,228	08/31/99	Abraham et al.	365	173	
	6,052,263	04/18/00	Gill	360	113	
	6,072,718	06/06/00	Abraham et al.	365	173	
	6,104,633	08/15/00	Abraham et al.	365	171	
	6,166,948	12/26/00	Parkin et al.	365	173	
	6,219,212 B1	04/17/01	Gill et al.	360	324.2	
	4,701,842	10/20/87	Olnowich	364	200	
CDW	4,985,871	01/15/91	Catlin	365	230.06	

EXAMINER	DATE CONSIDERED
Christin C. L.	10/12/05
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Sheet	4	OF	33	Filing Date March 17, 2004	Group Art Unit 2818 2891

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CSW	5,184,320	02/02/93	Dye	365	49	
	5,412,785	05/02/95	Skruhak et al.	395	375	
	5,586,286	12/17/96	Santeler et al.	395	432	
	5,608,888	03/04/97	Purcell et al.	395	412	
	5,623,638	04/22/97	Andrade	395	494	
	5,651,126	07/22/97	Bailey et al.	395	401	
	5,652,856	07/29/97	Santeler et al.	395	432	
	5,699,317	12/16/97	Sartore et al.	365	230.06	
	5,271,862	02/24/98	Sartore et al.	395	445	
	5,781,717	07/14/98	Wu et al.	395	182.06	
	5,875,451	02/23/99	Joseph	711	105	
	5,887,272	03/23/99	Sartore et al.	711	105	
	6,038,637	03/14/00	Berube et al.	711	105	
	6,049,856	04/11/00	Bolyn	711	168	
	6,088,760	07/11/00	Walker et al.	711	104	
	6,226,722 B1	05/01/01	Shippy et al.	711	168	
	6,233,665 B1	05/15/01	Bolyn	711	168	
	5,444,651	08/22/95	Yamamoto et al.	365	108	
	6,031,756	02/29/00	Gimzewski et al.	365	151	
	3,448,302	06/03/69	Shanefield	307	318	
	4,845,533	07/04/89	Pryor et al.	357	2	
CSW	4,876,667	10/24/89	Ross et al.	365	113	

Foreign Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS	TRANSLATION YES NO
CSW	0 613 130 A1	08/31/94	EP	—	—	
	0 665 187 A1	08/02/95	EP	—	—	
	0 665 187 B1	12/29/97	EP	—	—	
	0 989 579 A3	03/29/00	EP	—	—	
CSW	0 945 402 A1	09/29/00	EP	—	—	

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INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Rueckes, Thomas, et al.	
Sheet	5	OF	33	Filing Date March 17, 2004	Group Art Unit 2818, 2991

Foreign Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
CDW	1 046 613 A2	10/25/00	EP			
	1 052 520 A1	11/15/00	EP			
	1 054 249 A1	11/22/00	EP			
	1 059 266 A3	12/20/00	EP			
	1 061 044 A1	12/20/00	EP			
	1 061 544 A1	12/20/00	EP			
	1 061 555 A1	12/20/00	EP			
	1 069 206 A2	01/17/01	EP			
	1 072 693 A1	01/31/01	EP			
	1 100 106 A2	05/16/01	EP			
	1 100 297 A2	05/16/01	EP			
	WO 96/38410	12/05/96	PCT			
	WO 97/09272	03/13/97	PCT			
	WO 97/43473	11/20/97	PCT			
	WO 98/26871	06/25/98	PCT			
	WO 98/39250	09/11/98	PCT			
	WO 98/48456	10/29/98	PCT			
	WO 99/06618	02/11/99	PCT			
	WO 99/47570	09/23/99	PCT			
	WO 99/48810	09/30/99	PCT			
	WO 99/58748	11/18/99	PCT			
	WO 99/65821	12/23/99	PCT			
	WO 01/03208	01/11/01	PCT			
	WO 95/02709	01/26/95	PCT			
	WO 95/02709	01/26/95	PCT			
	WO 96/41043	12/19/96	PCT			
	WO 97/31139	08/28/97	PCT			
	WO 98/39251	09/11/98	PCT			
	WO 00/44094	07/27/00	PCT			
CDW	0 688 618 A2	08/23/95	EP			

EXAMINER	DATE CONSIDERED
Chr. B. Watson	10/12/05

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Sheet	6	OF	33	Filing Date March 17, 2004	Group Art Unit 2818 2891

Foreign Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS	TRANSLATION
						YES NO
CDW	0 269 225 A2	06/01/88	EPO			
	0 269 225 A3	06/01/88	EPO			
	0 315 392 A2	05/10/89	EPO			
CDW	0 315 392 A3	05/10/89	EPO			

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)	
CDW	A1 Winslow, Troy. "Advanced+ Boot Block World's First 0.18-Micron Flash Memory." Flash Products Group. April 17, 2000.
	A2 "Double Sided 4Mb SRAM Coupled Cap PBGA Card Assembly Guide." International Business Machines Corp. (IBM), 1998.
	A3 Tyagi <i>et al.</i> "A 130nm Generation Logic Technology Featuring 70nm Transistors, Dual Vt Transistors and 6 Layers of Cu Interconnects." Portland Technology Development.
	A4 "Preliminary: 8Mb (256Kx36 & 512Kx18) and 4Mb (128Kx36 & 256Kx18) [IBM0418A8CBLBB, IBM0418A4CBLBB, IBM0436A8CBLBB, IBM0436A4CBLBB]." International Business Machines Corp. (IBM), 1998.
	A5 Wei, Chengyu <i>et al.</i> "Temperature and Stain-Rate Dependent Plastic Deformation of Carbon Nanotube."
	A6 "Package Mechanicals for USAR ICs." USAR Systems, Inc., 1998.
	A7 Dipert, Brian. "Exotic Memories, Diverse Approaches." EDN Magazine. April 26, 2001, 56-70.
	A8 Duan, Xiangfeng. "Indium Phosphide Nanowires as Building Blocks for Nanoscale Electronic and Optoelectronic Devices." Nature (2001); 409: 66-69.
	A9 Yang. "A High Performance 180 nm Generation Logic Technology." Portland Technology Development.
	A10 Dai, Hongjie. "Controlled Chemical Routes to Nanotube Architectures, Physics, and Devices." The Journal of Physical Chemistry B (1999); 103: 11246-11255.
	A11 Callaby, D. Roy <i>et al.</i> "Solid State Memory Study Final Report." National Media Lab, Feb. 1994.
CDW	A12 Cui, Yi. "Doping and Electrical Transport in Silicon Nanowires." The Journal of Physical Chemistry B (2000); Vol. 104, No. 22: 5213-5216.

EXAMINER	DATE CONSIDERED
Christie W.	701n/05
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Sheet	7	OF	33	Filing Date March 17, 2004	Group Art Unit 2818 2891

CDW	A13	Li, Mingtao <i>et al.</i> "Direct Three-dimensional Patterning Using Nanoimprint Lithography." <i>Applied Physics Letters</i> (2000); Vol. 78, No. 21: 3322-3324.
	A14	"8 Mb Synchronous Communication SRAM (IBM0418A86LQKA, IBM0418A86SQKA, IBM0436A86IQKA, IBM436A86SQKA)." International Business Machines Corp. (IBM), 1999.
	A15	Dipert, Brian. "Memory Cards: Designing with a Full Deck." <i>EDN Magazine</i> . May 25, 2000.
	A16	Schönenberger, Christian <i>et al.</i> "Physics of Multiwall Carbon Nanotubes." <i>Physics World</i> . April 4, 2000.
	A17	Whatmore, Roger W. "Nanotechnology." <i>Ingenia</i> . February, 2000.
	A18	"Nanochip NC800SX, 0.8 Gbyte Molecular Memory IC (R/W), Nanochip NC200SX, 0.2 Gbyte Molecular Memory IC (R/W), Nanochip NCM4510SX, Molecular Array Read/write Engine, Low Voltage Thermal Actuated, Dynamic Media Series M2, Nanochip NC4525DX, A/D-D/A Interface, Preliminary Specifications, Advance Information, (C) 1996-2000 Nanochip Document NCM2230500."
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Subt. For, PTO-1449 INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number 112020.167US1 NAN-4 CIP	Application Number 10/802,900
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
CDW	4,324,814	4/13/82	Reichert	427	86	
	4,378,629	4/5/83	Bozlev et al.	29	580	
	4,495,511	1/22/85	Yoder	357	22	
	4,510,016	4/9/85	Chi et al	156	643	
	4,673,474	06/16/87	Ogawa	204	157.64	
	4,707,197	11/17/87	Hensel et al.	437	189	
	4,758,534	7/19/88	Derkits Jr. et al.	437	89	
	4,901,121	2/13/90	Gibson et al.	357	15	
	4,903,090	2/20/90	Yokoyama	357	22	
	4,939,556	07/03/90	Eguchi et al.	357	4	
	5,010,037	4/23/91	Lin et al.	437	200	
	5,032,538	7/16/91	Bozler et al.	437	83	
	5,057,883	10/15/91	Noda	357	22	
	5,089,545	02/18/92	Pol	524	17	
	5,155,561	10/13/92	Bozler et al.	357	22	
	5,168,070	12/1/92	Luth	437	31	
CDW	5,175,597	12/29/92	Cachier et al.	257	267	

Foreign Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
CDW	WO	10/01/98	WIPO			
	WO	02/24/00	WIPO			
	WO	03/20/00	WIPO			
	WO	04/06/00	WIPO			
	WO	8/17/00	WIPO			
CDW	JP 11-	01/19/99	Japan			

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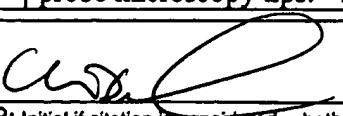
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CDW	5,290,715	3/1/94	Pardya	437	29	
	5,453,970	09/26/95	Rust et al.	396	176	
	5,475,341	12/12/95	Reed	327	566	
	5,563,424	10/8/96	Yang et al	257	40	
	5,589,692	12/31/96	Reed	257	23	
	5,739,057	04/14/98	Tiwari et al.	438	172	
	5,747,180	05/05/98	Miller et al.	428	601	
	5,751,156	05/12/98	Muller et al.	324	699	
	5,847,565	12/08/98	Narayanan	324	322	
	5,858,862	01/12/99	Westwater et al.	438	503	
	6,038,060	03/14/00	Crowley	359	328	
	6,069,380	05/30/00	Chou et al.	257	315	
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CDW	6,144,481	11/07/00	Kowarz, et al	359	291	

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	A43	Fan, Shoushan <i>et al.</i> "Carbon nanotube arrays on silicon substrates and their possible application." <i>Physica E</i> (2000): 179 – 183.
	A44	Liu, Lei <i>et al.</i> "Controllable Reversibility of an sp ₂ to sp ₃ Transition of a single Wall Nanotube under the Manipulation of an AFM Tip." <i>Physical Review Letters</i> (22 May 2000): 4950 – 4953.
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	A59	Nerushhev, Oleg A. <i>et al.</i> "Carbon nanotube films obtained by thermal chemical vapor deposition." <i>Journal of Chemistry Materials</i> (2001); 11, 1122 – 1132.
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	A89	Nerushov, Oleg A. <i>et al.</i> "Carbon nanotube films obtained by thermal chemical vapour deposition." <i>Journal of Material Chemistry</i> (2001); 11, 1122 – 1132.
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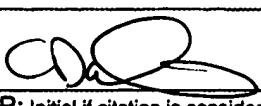
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INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Rueckes, Thomas, et al.	
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CDW	6,044,008	03/28/00	Choi	1		

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CDW	WO	08/28/00	PCT	1		
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
CDW	WO	11/12/01	PCT			
CDW	WO	11/2/01	PCT			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
CDW	WO	12/11/01	PCT			
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	WO	01/23/02	PCT			
CDW	WO	01/29/02	PCT			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
CDW	2002/0081787 A1	06/27/02	Kohl et al.			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO
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INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Rueckes, Thomas, et al.	
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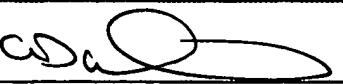
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